



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



IREFGUN 27 LI

Max. Temperature Service:	1450 °C
Classification:	Fireclay base Gunning mix with low iron hydraulic binder
Main Raw Material Component:	High quality Low Iron chamotte & calcium-aluminate binder
Type Of Bond:	Hydraulic
Grain Size:	0 – 5 mm
Water required For Pouring	10 – 12 %
Features and Main Applications:	Excellent strength throughout its entire temperature range, Iron content not over 3 % High resistance to Mechanical impact and abrasion. Stable withstand CO and alkali atmospheres. May be gunned, troweled or rammed. Recommended for various purposes; Steel & Cement Industries (particularly preheater) as well as Chemical Industries. Excellent strength throughout its entire temperature range, Iron content not over 3 % High resistance to mechanical impact and abrasion. Fast erection.

Chemical Composition (Calcined base)				
Al₂O₃ %	SiO₂ %	Fe₂O₃ %	TiO₂ %	CaO %
44-48	32-36	2.0-3.0	4.0-5.0	9 – 11

Thermomechanical Properties			
		<i>After drying at 110 °C</i>	<i>After heating at 1370 °C</i>
Bulk Density	(Kg/m ³)	> 2150	–
Cold Crushing Strength	(kg/cm ²)	350-500	250-450
Modulus of Rupture	(kg/cm ²)	50-90	50-100
Linear Change	(%)	Negligible	+0.5 to + 2.5

All data based on cast specimens. ASTM procedures, where applicable, used for determination of data.

For data of vibration cast or gunned, consult our sales & Engineering service's experts.

All data subject to reasonable deviations, and therefore, should not be used for specification purposes. ASTM Test Methods, where applicable, used for determination of data.

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